

NC/QC/YPD/2020-21/W5-KL-CB2A

Date: 12-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:**Sub:** Testing of Concrete Cubes (for 28days Compressive Strength).**{Project*:** Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}**Ref.:** Material testing/PMC/20-21,Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	15-05-20	12-06-20	29	22500	500	22.22	22.44
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	505	22.44	

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NC/QC/YPD/2020-21/W5-KL-CB3A

Date: 13-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:**Sub:** Testing of Concrete Cubes (for 28days Compressive Strength).**{Project*:** Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}**Ref.:** Material testing/PMC/20-21,Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	16-05-20	13-06-20	28	22500	520	23.11	22.74
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	505	22.44	

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NC/QC/YPD/2020-21/W5-KL-CB4A

Date: 15-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	18-05-20	15-06-20	28	22500	525	23.33	22.96
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	510	22.67	



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**NC/QC/YPD/2020-21/W5-KL-CB5A****Date: 17-06-2020****1. TEST REPORT ON CEMENT CONCRETE CUBES:****Sub:** Testing of Concrete Cubes (for 28days Compressive Strength).**{Project*:** Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}**Ref.:** Material testing/PMC/20-21,Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	20-05-20	17-06-20	29	22500	525	23.33	22.81
	002	"	"	"	"	505	22.44	
	003	"	"	"	"	510	22.67	

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NC/QC/YPD/2020-21/W5-KL-CB6A

Date: 18-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	21-05-20	18-06-20	28	22500	510	22.67	22.37
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	505	22.44	

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NC/QC/YPD/2020-21/W5-KL-CB7A

Date: 20-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	23-05-20	20-06-20	28	22500	515	22.89	22.52
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	510	22.67	

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NC/QC/YPD/2020-21/W5-KL-CB8A

Date: 31-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₁₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	03-06-20	31-06-20	28	22500	395	17.56	17.63
	002	"	"	"	"	405	18.00	
	003	"	"	"	"	390	17.33	

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**NC/QC/YPD/2020-21/W5-KL-K1****Date: 15-06-2020****TEST REPORT****Sub:** Testing of Pre-cast Material-Kerb Stones.

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.28	21.94	22.63	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.32	22.55		
3	003	3.38	23.40		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	5.30	5.06
2	002	4.77	
3	003	5.13	

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NC/QC/YPD/2020-21/W5-KL-K2

Date: 21-06-2020

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic Compressive Strength fck in N/sqmm	Remarks
1	001	3.37	23.25	23.16	As per Cl. 6.2.2 of IS 456-2000, $f_{cr}=0.7\sqrt{f_{ck}}$
2	002	3.34	22.80		
3	003	3.39	23.45		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.52	4.52
2	002	4.36	
3	003	4.69	

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NC/QC/YPD/2020-21/W5-KL-K3

Date: 22-06-2020

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

1. PHYSICAL TESTS ON KERB STONES:

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic Compressive Strength fck in N/sqmm	Remarks
1	001	3.35	22.95	22.83	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.29	22.10		
3	003	3.39	23.45		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.49	4.49
2	002	4.38	
3	003	4.61	

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